

DRILL HOLES

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BY: \$USERNAVE\$

Border Rev. Date: 07/17/2012

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 355 (WISCONSIN AVE) NB AND MONTGOMERY AVE.

LANES MONITORED - 3 THRU, AND 1 DEDICATED RIGHT

INTERSECTION OPERATION

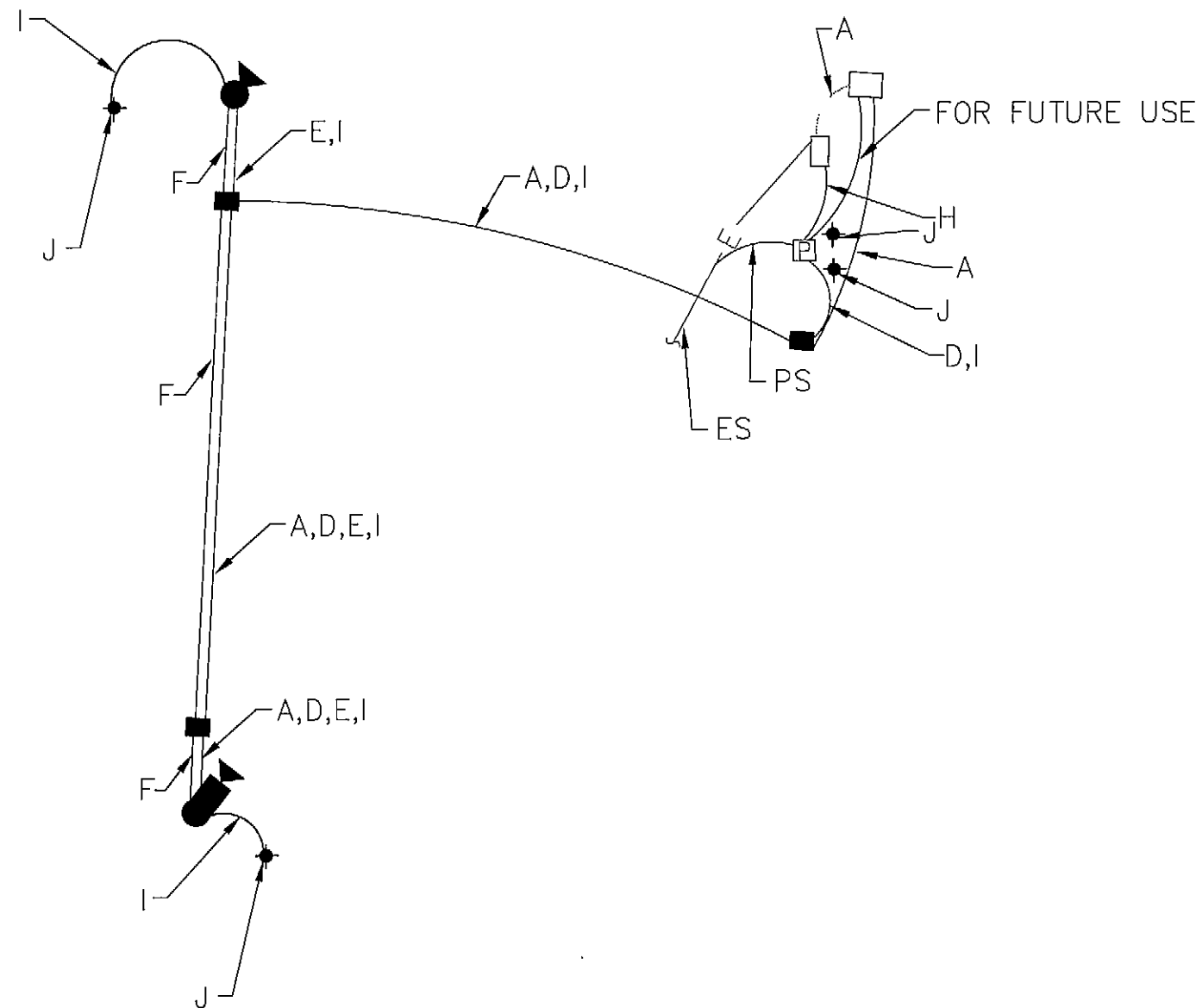
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA
NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

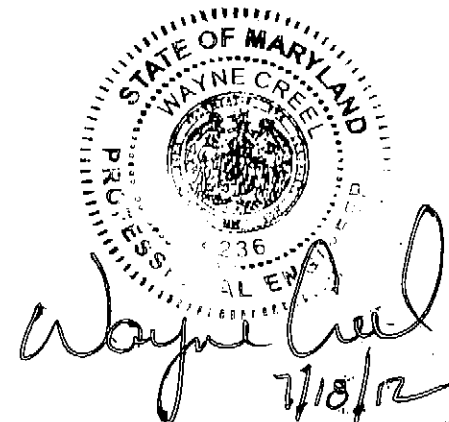
QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
2	EA	SENSYS RECEIVER ASSEMBLY
1	EA	10' PEDESTAL POLE
1	EA	14' PEDESTAL POLE
1	EA	100 AMP METER SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN
3	EA	#5 PULL BOXES
265	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
185	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
4	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
185	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
250	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
100	LF	115 V POWER 4 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
185	LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
25	LF	(3) 1-CONDUCTOR CABLE (NO. 8 AWG)
2.75	CY	CONCRETE FOR PEDESTAL POLE FOUNDATIONS
		(1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH



WIRING KEY

- A 7-CONDUCTOR CABLE (NO. 14 AWG ALL LANES)
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE--NOT USED
- C COMCAST TO PROVIDE CABLE--NOT USED
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- H (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- I STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- J PROPOSED GROUND ROD - 3/4 IN. X 10 FT. LENGTH
- PS PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO
- ES EXISTING UNDERGROUND ELECTRICAL SERVICE

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL



APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
1. RED LIGHT CAMERA INSTALLATION
2. 07/17/2012

Red Light Camera
BW313M83
MD 355 @ Montgomery Avenue

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 355 (WISCONSIN AVE) NB AND MONTGOMERY AVE

SCALE: NONE ADVERTISED DATE: CONTRACT NO.:

DESIGNED BY: COUNTY: MONTGOMERY

DRAWN BY: LOGMILE:

CHECKED BY: TMS NO.:

F.A.P. NO. TOD NO.:

DRAWING NO. 10435 OF SHEET NO. 2 OF 2

PLOTTED: 07/17/2012
FILE: \$FILES\$